School ....................................................... Name ....................................................... Date .................

**WATER TESTING AND EVALUATION OF THE BIODIVERSITY AND HEALTH OF**

**.... (Insert name of creek) ...**

1. Describe the location of the area of creek you are examining.
2. Draw the main section of your investigation.
3. Photograph or draw evidence of organisms interacting with the

habitat, including plants, birds, insects and other animals.

1. Photograph or draw the banks for evidence of health, growth,

erosion, etc.

1. Photograph or draw any other evidence of people caring for,

enjoying this place.

1. In your own words, briefly describe the habitat.

**Water testing**

Fill the test container with a water sample, dip a test strip in, swirl the container, and wait a few minutes with the test strip resting in the water sample. Take the strip out of the water and compare the colour changes on the test strip to a color chart included in the kit.

Record your results

Spend a few minutes recording any other observations of the habitat. For example, the different kinds and average numbers of birds, insect and other animal activity.

The following activities will be completed back at school.

**Scientific Evaluation of the Biodiversity and Health of a section of** (name the creek)

1. In **Learning Teams** present your water testing findings.

Create a (table, spreadsheet) and add all group findings into it.

If findings differ, why is this so? Discuss and record your ideas.

1. Share photographs, observations and drawings. Make a list of the most common examples in the group and write down what the evidence shows.

|  |  |
| --- | --- |
| **Evidence** | **Finding** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

1. Come together as a whole class. Share and discuss your findings.
2. **Conclusion**

Write a report on the biodiversity and health of the section of creek under investigation. The reports will be collated, and a final report submitted to the Stanthorpe River Trust.